Animal Product Manual

Reference

Live Animals and Related Material

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Introduction

The *Live Animals and Related Material* section covers importations of living organisms and related material for which PPQ has approval to take regulatory action. Examples include embryos, ova, and semen imported for research purposes; organisms and vectors imported for research purposes, including microorganisms (viruses, bacteria), antisera, diagnostic reagents, monoclonal antibodies, test kits, and antivenin.

Not covered in this section are the following live animal importations:

- ◆ Blood or a derivative of blood; regulate these by-products under Blood and Related By-Products
- ◆ Eggs for hatching, including commercial importations of uncooked baluts. Contact the nearest VS office for further action. Consider eggs being imported for research as embryos; refer to **Table 3-8-19**
- Extracts or derivatives of animal organs or glands; regulate these by-products under *Organs*

- ◆ Human pharmaceuticals and human vaccines in final dosage form; refer to *Human Pharmaceuticals and Human Vaccines* on page 3-15-11
- ◆ Importations of live animals, except for laboratory animals (see *Animal Tissue* on **page 3-8-8**). Consult with local VS for notification and procedures for any live animal import **other than** those handled by the U.S. Public Health Service (PHS)
- ◆ Live animals found while clearing aircraft or vessels; refer to **Safeguarding Live Animals** on **page 2-4-29**
- ◆ Non-human primates, dogs and cats; refer to PHS, and also refer non-human primates to FWS. The Center For Disease Control and Prevention (CDC) has jurisdiction over the importation of dogs, cats, and non-human primates. The importer should contact the CDC for import restrictions (phone 404/639-3311)
- ◆ Pet birds in passenger baggage and aboard vessels or yachts and pleasure vessels; refer to *Handling Pet Birds* on page 2-4-18
- ◆ Used semen and embryo containers; refer to *Empty Semen and Embryo Containers* on **page 2-2-13** for action to take
- ♦ Veterinary biologics such as bacterins, vaccines, toxins, toxoids, and test kits for the diagnosis of animal diseases. These animal products are authorized entry under a veterinary biological product permit issued by VS, Center for Veterinary Biologics; refer to *Requests for VS Permits* on page 2-4-25

When a VS permit authorizes entry of live animals, match the following information on the shipping documents with that on the permit:

- ♦ Current date
- ◆ Description of the material
- ♦ Shipper
- ♦ Consignee
- ◆ Conditions spelled out on the permit

Follow **Table 3-8-1** as you match the permit with the shipping documents.

TABLE 3-8-1 Validate Importation Authorized Entry by a VS Permit

If the shipping		
documents:	And the:	Then:
Match the permit		RELEASE or CONTROL as stated on the permit
Do not match the permit	Permit has	1. DO NOT RELEASE the HOLD
	expired	2. HAVE the consignee contact VS, TTSPS, IEAS, or CVB (see page 2-4-26)
		3. SAFEGUARD the importation until you hear from VS, TTSPS
	Discrepancy is	1. DO NOT RELEASE the HOLD
	other than an expired permit	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <i>Appendix H</i>)

Locator

Locator

When a VS permit does **not** accompany an importation of live animals, use **Table 3-8-2** to determine the appropriate regulatory action to take.

TABLE 3-8-2 Where to Find Regulatory Action on Live Animals and Related Material Not Authorized By a VS Permit

If the importation is:	Then:
Amphibians	Go to Table 3-8-10 on page 3-8-15
Aquatic animals (including fish, sharks, shellfish, and whales)	
Animal tissue	Go to Table 3-8-6 on page 3-8-8
Cat (feline) materials	Go to Table 3-8-9 on page 3-8-14
Dog (canine) materials	
Earthworms	GO to Table 3-8-3 on page 3-8-5
Human and non-human primate products	Go to Table 3-8-8 on page 3-8-13
Laboratory mammals and their related material	GO to Table 3-8-8 on page 3-8-13 and Table 3-8-7 on page 3-8-9
Microorganisms (bacteria, viruses, fungi)	GO to Table 3-8-4 on page 3-8-6
Organisms and vectors	GO to Table 3-8-11 on page 3-8-18
Ova and embryos	GO to Table 3-8-19 on page 3-8-28
Reptiles	Go to Table 3-8-10 on page 3-8-15
Semen from equine	GO to Table 3-8-17 on page 3-8-26
Semen from other than equine	GO to Table 3-8-18 on page 3-8-27
Used embryo, ova, or semen containers	GO to Empty Semen and Embryo Containers on page 2-2-13
Other than described above	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <i>Appendix H</i>)

Earthworms

TABLE 3-8-3 Regulatory Action to Take on Earthworms

If from a	And	And:	And from:	And:	Then:
Free from FMD	from: Canada	In soil	Newfoundland or that portion of the Municipality of Central Saanich on Vancouver Island in the Province of British Columbia east of West Saanich Road	And:	REFUSE ENTRY
			A part of Canada other than that described in the cell above		RELEASE
		Not in soil		-	
	Other than Canada		-	Accompanied by PPQ Form 526, Permit to Move Live Plant Pests ¹	RELEASE ² or CONTROL as specified on the permit
				Lacks the permit	REFUSE entry
Affected with FMD			•	Accompanied by both: ◆ VS Permit ◆ PPQ Form 526, Permit to Move Live Plant Pests¹	RELEASE ² or CONTROL as specified on the permit
				Lacks the permit	REFUSE entry

¹ Regulated by 7CFR 330.200, since earthworms may harbor plant pathogens in their guts.

² Because live earthworms are perishable, expedite shipment that you are authorized to release.

Microorganisms (Bacteria, Viruses, Fungi)

TABLE 3-8-4 Regulatory Action to Take on Microorganisms

If the microorganism is:	And:	Then:
Recombinant	-	GO to Table 3-8-5
Nonrecombinant ¹	Accompanied by shipper documentation stating:	RELEASE
	 Genus and species of the microorganism 	
	 Microorganism is not considered to be pathogenic² to livestock or poultry 	
	Lacks the documentation described above	DO NOT RELEASE the HOLD until the importer provides the required documentation

1 Examples of nonrecombinant, nonpathogenic microorganisms are as follows: Lactobacillus (used to manufacture yogurt); Micrococcus (skin bacterium); Penicillium (used to produce penicillin, an antibiotic); and Serratia (soil microbe).

Examples of microorganisms requiring a permit to authorize entry are as follows: *Hemophilus influenzae*, *Actinobacillus equuli*, *Actinomyces bovis*, *Streptococcus bovis*, *Rhodococcus equi*, *Helicobacter pylori*, *Lawsonia intracellularis*, *Clostridium perfringens*, *Pasteurella multocida*, Bluetongue virus, Vesicular stomatitis virus, porcine parvovirus, and epizootic hemorrhagic disease virus.

2 Pathogenic—capable of causing disease.

Recombinant Microorganisms

Recombinant microorganisms can be bacteria, viruses, or yeast. Recombinant technology involves the transfer of genes from one organism into another organism. Examples of transference include the following:

- ◆ Transferring insect or herbicide resistance to plants
- ◆ Transferring normal human genes to replace defective ones
- ◆ Transferring genes which manufacture hormones or enzymes to those that **do not**

The most common recombinant microorganisms are as follows:

- ♦ Bacteria, Escherichia coli and Bacillus subtilis
- ♦ Yeasts, Streptomyces and Saccharomyces
- ♦ Virus, Vaccinia

3-8-7

TABLE 3-8-5 Regulatory Action to Take on Recombinant Microorganisms

If the microorganism:	And the importation is:	Then:
Contains animal-derived additive or stabilizer,	Accompanied by shipper documentation indicating all of the following:	RELEASE
e.g., albumin	◆ Genus and species	
	◆ Additive or stabilizer	
	◆ Intended use (e.g., in vitro versus in vivo)	
	Lacks the documentation described above	DO NOT RELEASE the HOLD until the importer provides the required documentation
Does not contain animal-derived additive or stabilizer	Accompanied by shipper documentation indicating all of the following:	RELEASE
	◆ Genus and species	
	 Microorganism does not contain an animal-derived additive or stabilizer 	
	Lacks the documentation described above	DO NOT RELEASE the HOLD until the importer provides the required documentation

Animal Tissue

TABLE 3-8-6 Regulatory Action to Take on Animal Tissue

If the tissue originated from:	Then:
Amphibians, aquatic species, or reptiles	GO to Table 3-8-10 on page 3-8-15
Canines (dogs)	GO to Table 3-8-9 on page 3-8-14
Felines (cats)	
Human or non-human primates	GO to Table 3-8-8 on page 3-8-13
Laboratory animals (including gerbils, guinea pigs, hamsters, mice, rabbits, or rats)	GO to Table 3-8-7 on page 3-8-9
Livestock (horses, ruminants, swine	1. DO NOT RELEASE the HOLD
or avian species (birds and poultry))	ADVISE the importer of the HOLD because the importation may require a VS permit authorizing the entry
	3. PROVIDE the importer with the appropriate options, including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)

Laboratory Mammals and Various Vertebrates and Invertebrates and Their Associated Products



This section **does not** include cats, dogs, and non-human primates.

For the purposes of this section, laboratory mammals (and their products) include gerbils, guinea pigs, hamsters, mice, rabbits, transgenic rabbits, rats, transgenic rats, and transgenic/knockout mice. To be admissible, these animals **must** meet the following criteria:

◆ Animals **must not** have been in the wild **nor** inoculated with exotic livestock disease agents, and must **not** have been exposed to livestock or poultry diseases

◆ Animals **must not** have been shipped from a laboratory working with the FMD virus and other exotic viruses; refer to the *List of Laboratories Working with Exotic Viruses, Including FMD* on page 3-8-16

Centers for Disease Control (CDC) Regulations Overlap

The Centers for Disease Control (CDC) regulate the importation of cats, dogs, live laboratory animals, and non-human primates.



If the cages containing the animals also contain fruits or vegetables (used as a source for water), then have the importer or the importer's agent remove any prohibited material prior to being released to a consignee.

Live Laboratory Mammals and Their Associated Products

TABLE 3-8-7 Regulatory Action to Take on Live Laboratory Mammals and Their Associated Products

If the shipment consists of:	And the shipment:	Then:
Live laboratory	Is accompanied by both:	RELEASE
mammals ¹	 Health certificate that states the mammals are clinically healthy 	
	◆ Statement from the shipper or producer that indicates the mammals: (a) have not been exposed to nor inoculated with any livestock or poultry disease agents that are exotic to the United States; and (b) have not originated from a facility where work with exotic disease agents affecting livestock or poultry is conducted²	
	Lacks the documentation described in the cell above	DO NOT RELEASE the HOLD until the importer provides the required documentation

TABLE 3-8-7 Regulatory Action to Take on Live Laboratory Mammals and Their Associated Products

If the shipment consists of:	And the shipment:	Then:
Live laboratory mammal products:	Is accompanied by a statement from the shipper or producer that both:	RELEASE
◆ Blood fractions ³	◆ Identifies the material and the species	
◆ DNA	collected from	
◆ Enzymes	 States that the mammals from which the material was derived: (a) have not 	
◆ Extracts	been exposed to nor inoculated with	
◆ Feces	any livestock or poultry disease agents that are exotic to the United States; (b)	
◆ Fluids	have not originated from a facility	
◆ Hormones	where work with exotic disease agents affecting livestock or poultry is	
◆ Peptides	conducted; and (c) identifies the	
◆ RNA	immunogen (for antisera)	
◆ Semen	Lacks the statements described in the cell immediately above	DO NOT RELEASE the HOLD until the importer
◆ Tissue		provides the required
◆ Urine		documentation

- 1 Laboratory mammals include gerbils, guinea pigs, hamsters, mice, rabbits, rats, transgenic rats, and transgenic/knockout mice.
- 2 For a list of these laboratories, see List of Laboratories Working with Exotic Viruses, Including FMD on page 3-8-16.
- 3 Blood fractions include albumin, antibodies, blood clotting factors, leukocytes (white blood cells), plasma, red blood cells, and whole blood.

Human and Non-Human Primate Products

If the imported material is:	And was collected from:	And:	Then:
◆ Blood fractions¹ ◆ DNA	Humans	Is accompanied by a declaration from the producer or shipper that:	RELEASE
◆ Enzymes		◆ PROVIDES a detailed,	
◆ Extracts		accurate description of the product and species	
◆ Feces		identification	
◆ Fluids		◆ If the product does not	
◆ Hormones		contain an animal product, STATES "Human product	
◆ Peptides		containing no animal product"	
◆ RNA		◆ If the preparation does	
◆ Semen		contain animal-derived	
◆ Tissue		additives, STATES the "[type of additive] and that	
◆ Urine		the product will be used only in vitro	
		◆ STATES that the product is not of tissue culture origin	
		◆ STATES that the material is not zootic	
		Lacks the declaration or statements described above	DO NOT RELEASE the HOLD until the producer or shipper provides the required statements
	Non-human primates	Is accompanied by a declaration from the producer or shipper that:	RELEASE
		 PROVIDES detailed, accurate description of the product and species identification 	
		 STATES "Non-human primate product containing no other non-human primate product" 	
		◆ STATES that the product is not of tissue culture origin	
		◆ STATES that the material is not zootic	
		Lacks the declaration or statements described immediately above	DO NOT RELEASE the HOLD until the producer or shipper provides the required statement

TABLE 3-8-8 Regulatory Action to Take on Human and Non-Human Primate Products (continued)

If the imported material is:	And was collected from:	And:	Then:
Other than one listed above			1. DO NOT RELEASE the HOLD 2. ADVISE the importer that the HOLD is because the importation requires a VS permit authorizing its entry

Blood fractions include albumin, antibodies, blood clotting factors, leukocytes (white blood cells), plasma, red blood cells, and whole blood.

Canine (Dog) and Feline (Cat) Materials

TABLE 3-8-9 Regulatory Action to Take on Canine (Dog) and Feline (Cat) Materials

If the imported material is:	And:	Then:
Canine (dog) or feline (cat):	Is accompanied by a declaration from the producer or shipper which:	RELEASE
◆ Blood fractions¹	◆ Identifies the material as canine or	
◆ DNA	feline	
◆ Enzymes	◆ States that the material does not	
◆ Extracts	contain any other animal-derived material from livestock or poultry	
◆ Feces	◆ States that the material was <i>not</i>	
◆ Fluids	derived from cats or dogs which	
◆ Hormones	were inoculated with or exposed to any infectious agents of	
◆ Peptides	agricultural concern	
◆ RNA	Lacks the statements or declarations	DO NOT RELEASE the HOLD
◆ Semen ²	described in the cell immediately above	until the producer or shipper provides the required
◆ Serum	above	statement
◆ Tissue		
◆ Urine		
◆ Venom		
Other than one listed above	-	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <i>Appendix H</i>)

Blood fractions include albumin, antibodies, antiserum, blood clotting factors, leukocytes (white blood cells), plasma, red blood cells, and whole blood.

2 If dog semen is for reproductive purposes, then it is unrestricted.

Amphibians, Aquatic Animals, and Reptiles

TABLE 3-8-10 Regulatory Action to Take on Materials Derived from Amphibians, Aquatic Animals, and Reptiles

Aquatio Attitudo) alta Nopuloo				
If the imported material is from:	If the imported material is:	And:	Then:	
 ◆ Amphibians ◆ Aquatic animals (including fish, sharks, shellfish, and whales) ◆ Reptiles 	 ◆ Blood fractions¹ ◆ DNA ◆ Enzymes ◆ Extracts ◆ Feces ◆ Fluids ◆ Hormones ◆ Peptides ◆ RNA ◆ Semen ◆ Tissue 	Is accompanied by a declaration from the producer or shipper that both: DESCRIBES the material and the species of origin STATES that he material does not contain any equine, ruminant, swine, or avian species, or products (such as in transport media or stabilizers)	RELEASE	
	◆ Urine	Lacks the declaration or statements described above	the HOLD until the producer or shipper provides the required statement	
	Other than one listed above		CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <i>List of Veterinarians</i> on page H-1-1)	

Blood fractions include albumin, antibodies, blood clotting factors, leukocytes (white blood cells), plasma, red blood cells, and whole blood.

List of Laboratories Working with Exotic Viruses, Including FMD

Country	Laboratory	
Australia	CSIRO, Division of Animal Health Geelong, Victoria	
Brazil	Centro Panamericano de Fiebre Aftosa Rio de Janeiro	
Botswana	Botswana Vaccine Institute Department of Animal Health and Production Gaborone	
Canada	Animal Disease Research Institute, Virology Section Nepean, Ontario	
France	CNEVA Lyon, Laboratoire de pathologie bovine Lyon, Cedex CIRAD, Department d'elevage et de medicine veterinaire	
Germany	Hannover Veterinary School, Institute of Virology Bunteweg 17, Hanannover Institut fur Geflugelkrankheiten der Justus-Liebig Giessen	
Iran	Razi Vaccine and Serum Institute, Tehran	
Italy	Instituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia "B Ubertini" Brescia National Centre for Exotic Diseases Teramo	
Japan	National Institute for Animal Health Ibaraki	
Kenya	Organisation for African Unity/ Interafrican Bureau for Animal Resources, Nairobi Kenya Agricultural Research Institute Nat'l Veterinary Research Centre, Kikuyu	
Poland	National Veterinary Research Institute Pulawy	
Portugal	Laboratorio Nacional de Veterinaria Lisbon	
Republic of South Africa	Onderstepoort Institute for Exotic Diseases Onderstepoort Onderstepoort Veterinary Institute Onderstepoort	
Russia	All-Russian Research Institute for Animal Health Vladimir	
Spain	Centro de Investigacion en Sanidad Animal Valdeolmos 28130 Madrid Laboratorio de Sanidad y Produccion Animalde Madrid 28110 Algete, Madrid	
United Kingdom	Institute for Animal Health, Pirbright Laboratory Working Surrey, CVL Weybridge, Addlestone Surrey	

FIGURE 3-8-1 List of Laboratories Working with Exotic Viruses, Including FMD

Organisms and Vectors

Organisms are living cultures or collections of animals or their derivatives which may introduce or disseminate any contagious or infectious disease of animals, including poultry. Importations regulated as organisms include the following:

- ♦ Bacterial cultures
- ◆ Culture medium
- **♦** Excretions
- ◆ Fungi (including yeast)
- ◆ Ticks, mites, sand flies, mosquitoes
- Tissues of livestock and birds
- ♦ Viruses

A vector can be an animal, an insect, or an organism that: (1) has been exposed to or inoculated with any contagious, infectious, or communicable disease agent of livestock or poultry; and (2) is capable of transmitting this agent to livestock or poultry.

EXAMPLE

Examples of animals that can serve as vectors include chickens and other avian species, ferrets, horses, ruminants (cattle, sheep, goats), or swine.

Examples of insects that can serve as vectors include ticks, mites, sand flies, and mosquitoes.

Refer live animals, excluding laboratory animals, to the nearest VS office. Refer arthropods that can serve as vectors to VS, TTSPS.

When a VS permit does **not** authorize entry to the importation of organisms or vectors, use **Table 3-8-11** which directs you to the final regulatory action to take.

Organisms and Vectors

TABLE 3-8-11 Regulatory Action to Take on Organisms and Vectors

If the importation is for:	And the product is:	Then:
Research or biological use	A veterinary biologic used for the diagnosis, treatment, or prevention of animal diseases including bacterins and vaccines	 DO NOT RELEASE the HOLD ADVISE the importer of the HOLD because the importation requires a VS permit authorizing its entry PROVIDE the importer with the appropriate options, including applying for a veterinary biological product permit issued by VS, CVB (see page 2-4-25)
	Other than a veterinary biologic	GO to Table 3-8-12
Pharmaceutical use	A bulk shipment to be used as drugs, medicine, nutritional supplements, or in test kits	DO NOT RELEASE the HOLD ADVISE the importer of the HOLD because the importation may require a VS permit authorizing its entry PROVIDE the importer with the appropriate options including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)
	In final dosage form	GO to Human Pharmaceuticals and Human Vaccines on page 3-15-11

Organisms and Vectors for Research or Biological Use

Organisms and vectors may be imported for scientific studies. They include such materials as microorganisms (bacteria, viruses, fungi), sera, cell lines and their products, antitoxins, and proteins such as hormones and enzymes. They are used to diagnose, treat, or prevent human and animal diseases.

Some examples of organisms and vectors which are regulated for research or biological use follow:

- Antitoxins and antivenins
- ◆ Ascitic fluid from mouse or rat
- ◆ Cell and tissue cultures
- ♦ Cell line
- Culture media
- ♦ Enzymes
- Hybridoma cells
- Microorganisms (bacteria, fungi, protozoans, and viruses)
- Monoclonal antibodies
- Reagents

♦ Tissue samples



Some biological products are highly perishable. Therefore, expedite an importation when you are authorized to release it. If you cannot release the HOLD, then allow the importer to apply dry ice or refrigerate the by-product.

When a VS permit does **not** authorize entry to the importation of organisms or vectors, use **Table 3-8-12** that directs you to the final regulatory action to take.

TABLE 3-8-12 Where to Find Regulatory Action on Organisms and Vectors Imported for Research or Biological Use

If the importation is:	Then:
Amphibians, fish, reptiles, shellfish	GO to Table 3-8-10 on page 3-8-15
Canines (dogs) or felines (cats)	GO to Table 3-8-9 on page 3-8-14
Cell and tissue cultures, hybridoma cells, recombinant and nonrecombinant cell lines, and their products	GO to Table 3-8-13 on page 3-8-20
Live laboratory animals	GO to Table 3-8-7 on page 3-8-9
Microorganisms (bacteria, fungi, protozoans, and viruses)	GO to Table 3-8-4 on page 3-8-6
Monoclonal antibodies, ascitic fluid, and tissue culture supernatants	GO to Table 3-8-15 on page 3-8-22
Test kits and test kit components	GO to Table 3-8-16 on page 3-8-25
Organisms and vectors not listed above	DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see <i>Appendix H</i>)

Hybridoma Cells, Recombinant and Nonrecombinant Cell Lines, Cell and Tissue Cultures, and Their Products

Recombinant cell lines are those which have foreign genetic material inserted into their genetic material. The purpose is to produce many copies of a specific product, such as a human viral gene, in a system which is capable of replicating rapidly or expressing a desired protein. Some examples of cell lines which are often recombinant are NSO, Chinese hamster ovary (CHO), human stromal cell line containing genes for SV40, and mouse embryonic stem cell line transfected with human 2 virus gene.

Nonrecombinant cell lines have **not** had their genetic material manipulated. Many of the recombinant cell lines can also be nonrecombinant. CHO, NSO, COS-1, *Spodoptera frugiperda* (SF9), and mouse embryonic stem cells (HM1) are sometimes non-recombinant.



Some biological products are highly perishable. Therefore, expedite an importation when you are authorized to release it. If you cannot release the hold, allow the importer to apply dry ice or refrigerate the by-product.

When a VS permit does **not** authorize entry to the importation the following products, then use **Table 3-8-13** that directs you to the final regulatory action to take:

- ♦ Ascitic fluid
- ♦ Cell and tissue cultures
- ♦ Cell lines
- ♦ Hybridoma cells
- Monoclonal antibodies
- ◆ Tissue culture supernatant

TABLE 3-8-13 Regulatory Action for Hybridoma Cells, Recombinant and Nonrecombinant Cell Lines, Cell and Tissue Cultures, and Their Products

If the importation is:	And:	Then:
Cell line of avian or livestock (equine, ruminant, or swine) origin	In vivo or in vitro use	DO NOT RELEASE the HOLD ADVISE the importer of the HOLD because the importation may require a VS permit authorizing its entry PROVIDE the importer with the appropriate options including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)
Neither of avian nor livestock origin	Consists of hybridomas, recombinant and nonrecombinant cell lines, or rodent cell lines	GO to Table 3-8-14 on page 3-8-21
	Consists of monoclonal antibodies, ascitic fluid, or tissue culture supernatant	GO to Table 3-8-15 on page 3-8-22

TABLE 3-8-14 Regulatory Action for Hybridoma, Recombinant and Nonrecombinant Cell Lines, and Rodent Cell Lines Not of Livestock Origin

If the material is for:	And:	Then:
In vivo use	-	1. DO NOT RELEASE the HOLD 2. ADVISE the importer of the HOLD because the importation may require a VS permit authorizing its entry 3. PROVIDE the importer with the appropriate options including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)
In vitro use	Accompanied by a statement on producer or shipper letterhead with the following:	RELEASE
	◆ Identifying the materials as a cell line or product of a cell line	
	◆ Affirming that the material is for in-vitro use or in-vivo use in humans	
	◆ Affirming that the material does not come from a facility where work with exotic viruses affecting livestock and avian species is conducted	
	◆ Affirming that the material is not recombinant; or if recombinant, contains <i>no</i> genes and expresses no products of exotic livestock or poultry disease agents	
	Lacks any of the required statements identified in the cell immediately above	DO NOT RELEASE the HOLD until the importer provides the required statement(s)

Monoclonal Antibodies, Ascitic Fluid, and Tissue Culture Supernatants

TABLE 3-8-15 Regulatory Action to Take on Monoclonal Antibodies, Ascitic Fluid, Tissue Culture Supernatants

If the monoclonal antibodies are for:	And are:	And:	Then:
In vitro use		Accompanied by a statement on producer or shipper letterhead with the following:	RELEASE
		 Identifying the material as monoclonal antibody 	
		 Identifying the name of the immunogen 	
		 Affirming the antibodies are for IN VITRO use 	
	-	◆ Affirming that the material does not come from a facility where work with exotic viruses affecting livestock and avian species is conducted	
		◆ Affirming that the material is not recombinant (if it is not); or, if recombinant, affirming that the material contains no genes and expresses no products of exotic livestock or poultry disease agents	
		Lacks the statement described above	DO NOT RELEASE the HOLD until the importer provides the required statement

TABLE 3-8-15 Regulatory Action to Take on Monoclonal Antibodies, Ascitic Fluid,
Tissue Culture Supernatants (continued)

If the monoclonal antibodies are for:	And are:	And:	Then:
are ior.	Allu are.	Allu.	men.
In vivo use	For use in humans	Accompanied by a statement on producer or shipper letterhead with the following:	RELEASE
		 Identifying the material as monoclonal antibody 	
		 Identifying the name of the immunogen 	
		 Affirming the antibodies are for in vivo use 	
		◆ Affirming that the material does not come from a facility where work with exotic viruses affecting livestock and avian species is conducted	
		◆ Affirming that the material is not recombinant (if it is not); or, if recombinant, affirming that the material contains no genes and expresses no products of exotic livestock or poultry disease agents	
	Not for use in		1. DO NOT RELEASE the HOLD
	humans		2. ADVISE the importer of the hold because the importation may require a VS permit authorizing its entry 3. PROVIDE the importer with the appropriate options including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)

Reagents

Reagents are used to detect the presence of substances by the chemical reactions or biological activity they cause. Reagents may be of animal origin or chemically synthesized and are usually imported for biological use. Reagents of animal origin can be regulated under different animal by-products. Some of these are monoclonal antibodies, bovine serum albumin, ruminant and porcine enzymes,

Organisms and Vectors

collagen, heparin, rabbit antibodies, and cholesterol. When a VS permit does **not** authorize entry to the importation of the reagent, use the index to find the specific reagent and see that page.

Test Kits and Kit Components

Test kits manufactured to diagnose human conditions (e.g., diseases, metabolic imbalances, pregnancy, etc.) or for general laboratory uses unrelated to the diagnosis of human conditions (e.g., DNA sequencing) **do not** require a VS permit, regardless of any animal-derived component in the kits. These test kits must be prepackaged, labeled, and ready for use.

Individual kit components that are packaged for final use (e.g., vials of bovine enzyme, goat antiserum, albumin) **do not** require a VS permit.

What does require a VS permit are animal-derived kit components that are imported in bulk (e.g., drum of powdered bovine enzyme) and **are not** packaged for final use.

Test kits which are manufactured to diagnose animal diseases require APHIS Form 2006, United States Veterinary Biological Product Permit. This permit is issued by the Center of Veterinary Biologics. Refer to **Processing Importations Authorized Entry by a VS Permit** on **page 2-4-27** for processing animal products and by-products imported under permit. See **Table 3-8-16** that directs you to the final regulatory action to take.

TABLE 3-8-16 Test Kits and Kit Components

If the test kits and/or kit components are for:	And the importation:	Then:
Diagnosis of human conditions or general laboratory uses	Is accompanied by a statement on producer or shipper letterhead indicating that the test kit and/or kit components are:	RELEASE
unrelated to the diagnosis of human conditions	◆ Not intended to diagnose animal diseases	
	◆ Prepackaged and ready for use	
	Lacks the statement described above	DO NOT RELEASE the HOLD until the importer provides the required statement
Diagnosis of animal diseases		1. DO NOT RELEASE the HOLD 2. ADVISE the importer of the hold because the importation requires a VS permit authorizing its entry 3. PROVIDE the importer with the appropriate options including applying for a veterinary biological product permit issued by VS, CVB (see page 2-4-25)
Animal-derived, in bulk, and not packaged for final use		DO NOT RELEASE the HOLD ADVISE the importer of the hold because the importation may require a VS permit authorizing its entry PROVIDE the importer with the appropriate options including applying for a VS permit issued by VS, TTSPS (see page 2-4-25)

Semen, Ova, and Embryos

Semen, Ova, and Embryos

Semen is live animal sperm. Ova are live animal eggs. Embryos are live, fertilized eggs. Semen, ova, and embryos are imported either for reproductive (i.e. breeding), or research purposes.



Some biological products are highly perishable. Therefore, expedite an importation when you are authorized to release it. If you cannot release the hold, allow the importer to apply dry ice or refrigerate the by-product.

When a VS permit does **not** authorize entry for the importation of equine semen, use **Table 3-8-17**; for semen other than from equine, use **Table 3-8-18**; and for ova, or embryos, use **Table 3-8-19** which directs you to the final regulatory action to take.

TABLE 3-8-17 Regulatory Action on Equine Semen

If the equine ¹ semen is from:	And imported for the purpose of:	And:	Then:
Canada ²		-	RELEASE ²
Other than Canada	Reproduction		CONSIDER it a live animal importation regulated by VS, IEAS DO NOT RELEASE the HOLD ADVISE the importer that the importation requires a VS permit authorizing its entry HAVE the consignee contact VS, IEAS SAFEGUARD the importation until you hear from IEAS (see page 2-1-3)
	Diagnosis or research	Accompanied by a VS-issued permit	RELEASE or CONTROL as stated on the permit
		Lacking a VS-issued permit	1. DO NOT RELEASE the HOLD 2. ADVISE the importer that the importation may require a VS permit authorizing its entry 3. HAVE the importer contact VS, TTSPS (see page 2-4-25)

¹ Equine includes animals like asses, burros, donkeys, horses, or zebras.

You must be able to confirm that the semen is equine semen and that the semen originated in Canada. If you cannot verify origin or species, then contact the local VS Port Veterinarian or the AVIC.

TABLE 3-8-18 Regulatory Action on Semen from Other Than Equine

If the semen is from:	And imported for the purpose of:	And is:	Then:
Ruminant (animals like cattle, deer, goats, or sheep)	Reproduction		1. CONSIDER it a live animal importation regulated by VS, IEAS 2. DO NOT RELEASE the HOLD 3. ADVISE the importer that the importation requires a VS permit authorizing its entry 4. HAVE the consignee contact VS, IEAS 5. SAFEGUARD the importation until you hear from IEAS (see page 2-1-3)
	Diagnosis	Accompanied by a VS issued permit	RELEASE or CONTROL as stated on the permit
		Lacking a VS issued permit	DO NOT RELEASE the HOLD ADVISE the importer that the importation may require a VS permit authorizing its entry HAVE the importer contact VS, TTSPS (see page 2-4-25)
Dog ¹	Reproduction		RELEASE
	Diagnosis or research	-	GO to Table 3-8-9 on page 3-8-14
Insect (including honey bees)		-	RELEASE
Any other animal		-	1. DO NOT RELEASE the HOLD 2. ADVISE the importer that the importation may require a VS permit authorizing its entry 3. HAVE the importer contact VS, TTSPS (see page 2-4-25)

¹ You **must** be able to confirm that the semen is dog semen. Outside labeling indicating that the semen is dog semen is acceptable.

TABLE 3-8-19 Regulatory Action on Embryos and Ova

If the embryo ¹ or ova was harvested from:	And is for the purpose of:	And:	
 ◆ Equine (animals like ass, burro, donkey, horse, zebra) ◆ Ruminant (animals like cattle, deer, goats, or sheep) ◆ Swine (pigs and their relatives) 	Reproduction		1. CONSIDER it a live animal importation regulated by VS, IEAS 2. DO NOT RELEASE the HOLD 3. ADVISE the importer that the importation requires a VS permit authorizing its entry 4. HAVE the consignee contact VS, IEAS 5. SAFEGUARD the importation until you hear from IEAS (see page 2-1-3)
	Diagnosis or research	Accompanied by a VS-issued permit	RELEASE or CONTROL as stated on the permit
		Lacking a VS-issued permit	DO NOT RELEASE the HOLD ADVISE the importer that the importation may require a VS permit authorizing its entry HAVE the importer contact VS, TTSPS (see page 2-4-25)
Insect		Accompanied by PPQ Form 526, Permit to Move Live Plant Pests	RELEASE or CONTROL as stated on the permit
		Lacking PPQ Form 526, Permit to Move Live Plant Pests	REFUSE ENTRY
Any animal other than one listed in the cells above		-	DO NOT RELEASE the HOLD ADVISE the importer that the importation may require a VS permit authorizing its entry HAVE the importer contact VS, TTSPS (see page 2-4-25)

¹ If it is a used, empty embryo or ova container, then GO to *Empty Semen and Embryo Containers* on page 2-2-13